

NEW STATE RECORDS OF FISHFLIES (MEGALOPTERA: CORYDALIDAE)¹

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ABSTRACT: Forty-three new state records of fishflies are reported after the examination of 3358 specimens from 38 states east of the Rocky Mountains.

DESCRIPTORS: State records, County records, fishflies, Megaloptera, Corydalidae.

Several authors, including Davis (1903), Parfin (1952), Hazard (1960), Flint (1965), Tarter and Watkins (1974), Watkins et al. (1975), Caldwell (1976), and Tarter et al. (1976), have reported distributional records of fishflies from the eastern United States.

Three eastern genera of fishflies, *Chauliodes* Latreille, *Nigronia* Banks, and *Neohermes* Banks, are found in the subfamily Chauliodinae. The larvae of *C. pectinicornis* (Linnaeus) and *C. rastricornis* Rambur are found in lentic habitats, primarily ponds and marshes. Generally, the larvae of *Nigronia fasciatus* (Walker) are confined to small, woodland brooks, whereas the larvae of *N. serricornis* (Say) are inhabitants of streams with high to intermediate gradient. At the present time, the larvae of *Neohermes angusticollis* (Hagen), *N. concolor* (Davis), and *N. matheri* Flint are unknown.

NEW DISTRIBUTION RECORDS

Forty-three new state records of seven species of fishflies are presented after the examination of 3358 specimens from 38 states east of the Rocky Mountains. County records are given in parenthesis.

Chauliodes pectinicornis has been reported from 21 states in the eastern half of the United States (Davis, 1903; Hazard, 1960; Tarter and Watkins, 1974; and Tarter et al., 1976) (Fig. 1). The following 12 states and the District of Columbia represent new records and range extensions for this species: Delaware (Sussex), Illinois (Carroll, Champaign, DeWitt, Hardin, Marshall, Piatt, Vermilion), Indiana (Dubois, Elkhart,

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Knox, LaGrange, La Porte, Porter, Tippecanoe), Iowa (Winnebago), Kansas (Riley), Maine (Kennebec, Oxford, Penobscot, Piscataquis, York), Mississippi (Harrison, Lafayette, Lauderdale, Monroe, Oktibbeha), Nebraska (No county listed), New Hampshire (Carroll, Merrimack, Rockingham, Strafford, Sullivan), Rhode Island (Providence, Washington), Texas (Galveston), and Vermont (Orleans) (Fig. 1).

Chauliodes rastricornis has been recorded from 23 states in the eastern and southwestern parts of the United States (Davis, 1903; Hazard, 1960; and Watkins et al., 1975) (Fig. 2). Eleven new state records and range extensions are presented: Alabama (Lee, Mobile), Iowa (Story), Maine (Penobscot), Mississippi (Harrison, Lamar, Warren), Nebraska (Antelope, Cherry), New Hampshire (Belknap, Hillsborough), Rhode Island (Washington), South Dakota (No county listed), Tennessee (Campbell, Chester, Shelby), Virginia (Greensville, Nansemond, New Kent, Sussex), and Wisconsin (Marginal counties only: Polk, Manitowoc, Rock, Vilas) (Fig. 2).

Nigronia fasciatus has been reported from 18 states in the eastern half of the United States (Davis 1903; Hazard, 1960, and Tarter and Watkins, 1974) (Fig. 3). Five new state records are reported for this species: Alabama (Clay), Delaware (New Castle), Louisiana (West Feliciana), New Hampshire (Grafton), and South Carolina (Greenville, Pickens) (Fig. 3).

Nigronia serricornis has been recorded from 25 states in the eastern half of the United States (Davis, 1903; Hazard, 1960; and Tarter et al., 1976) (Fig. 4). Five new state records are added to the distribution of this species: Connecticut (Fairfield, Hartford, Middlesex, New Haven, Tolland), Kansas (Cowley), Louisiana (St. Tammany, Washington), Rhode Island (No county listed), and South Carolina (Aiken, Anderson, Greenville, Kershaw, Newberry, Oconee, Pickens) (Fig. 4).

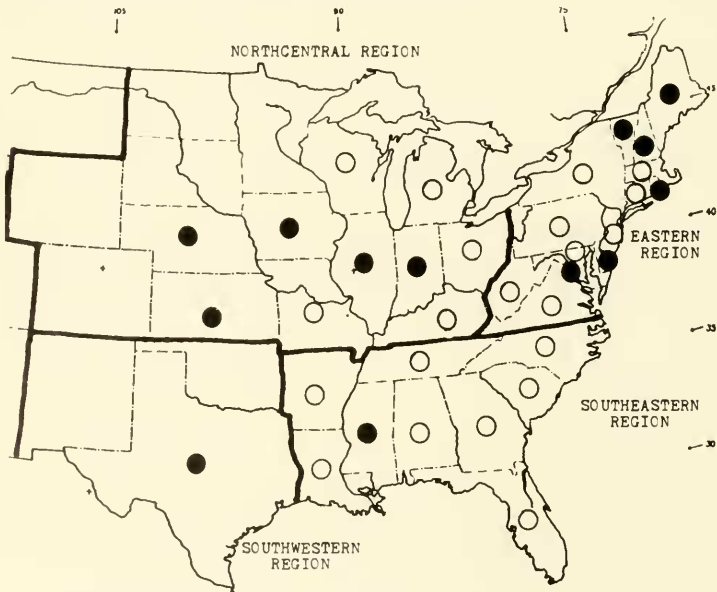


Figure 1. Distribution of *Chauliodes pectinicornis*.
Open Circles = Literature records; Closed Circles = New records

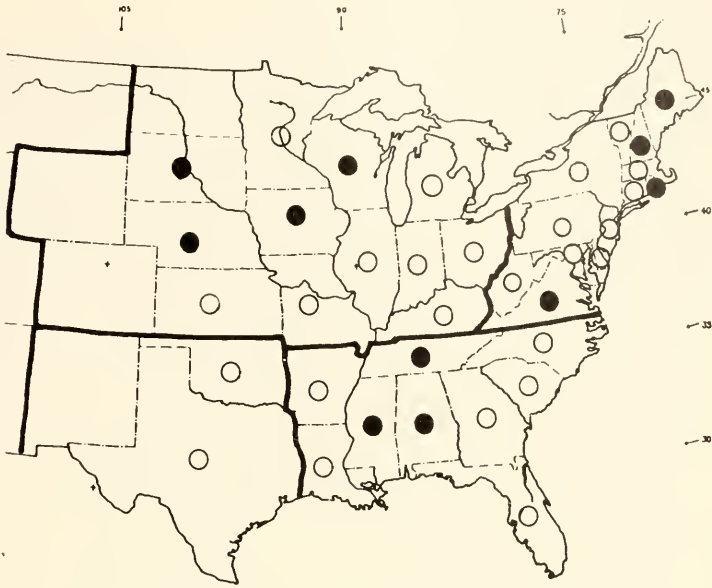


Figure 2. Distribution of *Chauliodes rastricornis*.

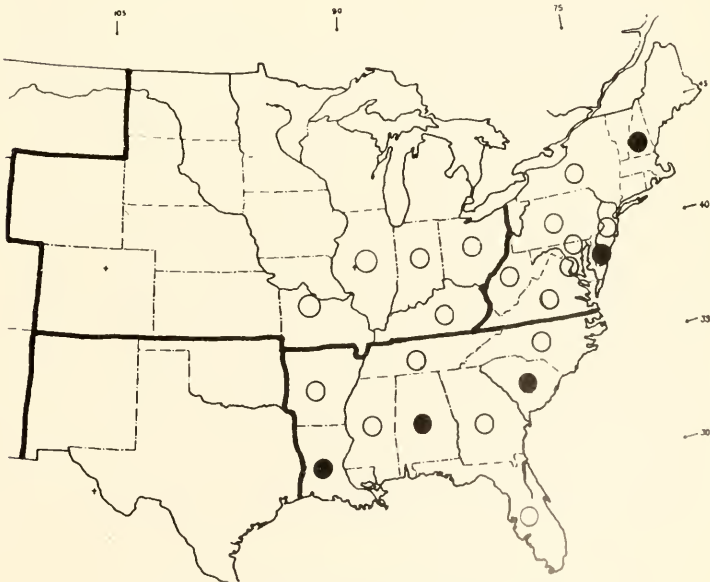


Figure 3. Distribution of *Nigronia fasciatus*.

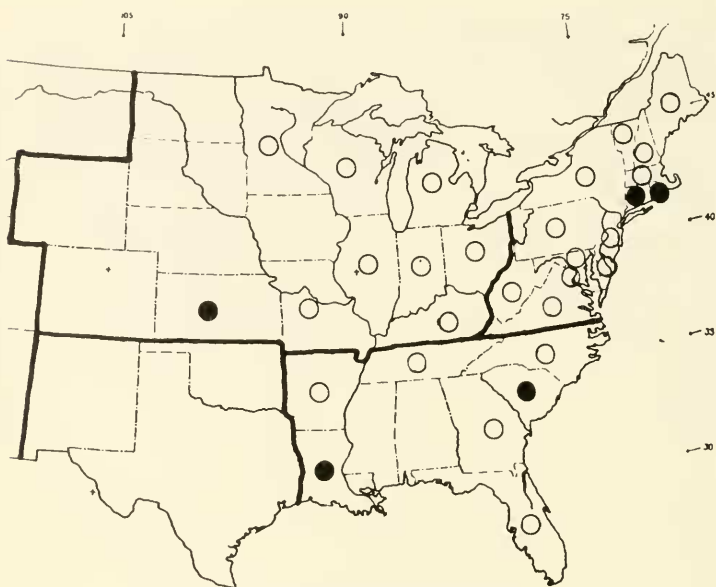


Figure 4. Distribution of *Nigronia serricornis*.

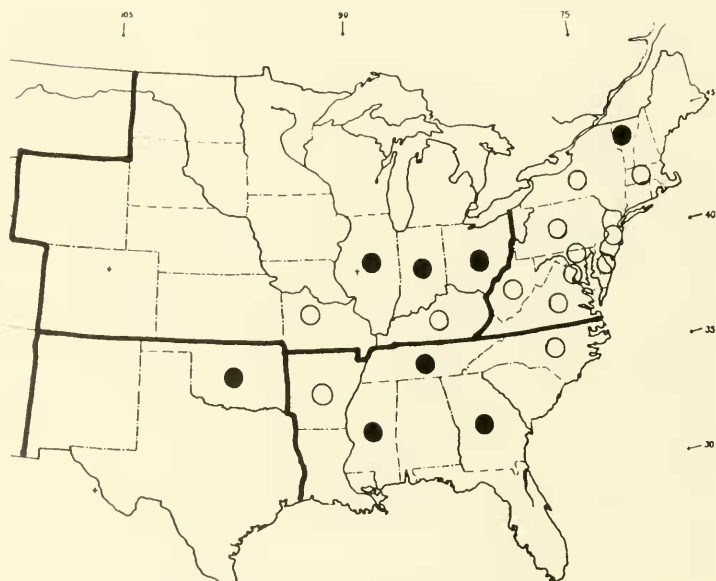


Figure 5. Distribution of *Neohermes concolor*.

Neohermes concolor has been reported from 13 states in the central and northeastern parts of the eastern United States (Flint, 1965 and Tarter et al., 1975) (Fig. 5). Eight new state records extend its distribution into the southeastern and southwestern portions of the United States; Georgia (Fulton), Illinois (Pope, Union), Indiana (Clark, Monroe, Tippecanoe), Mississippi (Lafayette, Warren), Ohio (Adams, Huron, Pike, Washington), Oklahoma (Latimer), Tennessee (Coffee, Marion, Morgan), and Vermont (Addison, Orleans) (Fig. 5).

Neohermes angusticollis has been reported from Georgia (Flint, 1965). One new record adds South Carolina (Greenville, Pickens) to its distribution.

Neohermes matheri is known only from Mississippi (Flint, 1965).

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INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE ANNOUNCEMENT

A.N.(S) 99

Required six months' notice is given of the possible use of plenary powers by the International Commission on Zoological Nomenclature in connection with the following names listed by case number: (see Bull. Zool. Nom. 33 part 1, 26th June, 1976).

896. *Tipula oleracea* (Diptera: TIPULIDAE): revised proposals for stabilizing names in species-group.
1117. *Beyrichia* M'Coy, 1846 (Crustacea: Ostracoda): proposed designation of type-species and neotype designation for that species.
2093. *Baboon and Mandrill* (Mammalia: Primates, CERCOPITHECIDAE): proposed determination of generic names.

Comments should be sent in duplicate, citing case number, to the Secretary, International Commission on Zoological Nomenclature, C/o British Museum (Natural History), Cromwell Road, London, S.W.7 5BD, England, if possible within 6 months of the date of publication of this notice. Those received early enough will be published in the Bulletin of Zoological Nomenclature.

26th June, 1976